



Highway Maintenance Manual
Chapter 02 Administration
Section 25 Cost Invoicing
Subject 55 Non-standard Rates

Bureau of Highway Maintenance
January 2023

1.0 2023 Non-standard Equipment Numeric Listing

<u>Class</u>	<u>Description</u>	<u>Est. Life</u>	<u>2023 Rates</u>
9006	Air Compressor (< 125 cu.ft.)	10 years	15.14 /hr.
9011	Joint Cleaner (Blower)	10 years	6.46 /hr.
9012	Bale Chopper or Mulcher, 25 hp or greater or PTO (Alternate Photo)	10 years	51.38 /hr.
9013	Auger, Salt	10 years	35.76 /hr.
9017	Concrete Repair Gun	7 years	128.04 /hr.
9018	Curb Paver, Bituminous	12 years	5.70 /hr.
9020	Crane, 45 tons, 104' boom	15 Years	set rate locally
9022	Boats (Pontoon)	10 Years	set rate locally
9023	Boats (Row)	10 years	14.64 /day
9031	Landfill Compactor	10 years	66.54 /hr.
9035	Crane (Up to 10 tons)	15 years	76.40 /hr.
9036	Centerliner, push-type	12 years	22.48 /hr.
9038	Cutter Crusher or Mulch Krimper (Alternate Photo)	10 years	26.20 /hr.
9039	Conveyor w/ silo	12 years	set rate locally(tons)
9041	Crane (10 to 18 tons)	15 years	246.68 /hr.
9046	Golf Cart	10 years	11.26 /hr.
9048	Drill, Grain	10 years	34.68 /hr.
9050	Finishing Machine, gas power	10 years	32.00 /hr.
9051	Elevator	12 years	16.94 /hr.
9054	Hammer, hydraulic, 100 thru 1100 ft/lbs, CIMA rating	10 years	36.64 /hr.
9061	Truck Bed System, hot box	10 years	7.16 /hr.
9070	Crane, Hydraulic (Truck Mtd.)	10 years	17.24 /hr.
9073	Landscape Box	12 years	4.10 /hr.
9079	Cold Milling Machine, Over 80 hp	12 years	set rate locally
9080	Mortar Mixer	7 years	127.78 /hr.
9081	Patch Machine, spray-injection, trailer mounted	12 years	57.92 /hr.
9082	Pothole Patcher, spray injection, truck mounted, single unit	12 years	50.82 /hr.
9084	Pile Drivers	12 years	set rate locally
9087	Pug Mill	12 years	set rate locally
9088	Portable Traffic Signals, max 12/hr/day, 4 unit sets, includes trailer	7 years	24.80 /hr.
9089	Paver, tailgate	12 years	23.84 /hr.
9090	Plows, rotary (mtd. on sm. trac.)	5 years	45.32 /hr.
9091	Snow Pusher, 13' and above	10 years	34.50 /hr.
9092	Retro-reflectometer	10 years	84.74 /day
9095	Snow Blower, rotary, hydraulic or PTO driven, does not use fuel	10 years	164.56 /hr.

9109	Roller, push-type vibrating	8 years	11.00 /hr.
9111	Speed Monitor (all)	10 years	15.50 /day
9112	Rooter	10 years	set rate locally
9113	Rake, rock/Hydraulic Grapple (Alternate Photo)	10 years	21.04 /hr.
9114	Roto-tiller (attachment)	8 years	42.88 /hr.
9118	Scaffolding w/ electric hoist	15 years	set rate locally
9128	Scaffolding (staging)	15 years	21.68 /day
9130	Scaffolding (sections)	15 years	55.30 /sec/mo
9133	Scraper, tow behind	10 years	set rate locally
9134	Scraper, truck style	10 years	64.34 /hr.
9141	Sewer Cleaner	10 years	202.88 /hr.
9142	Shredder, Dirt	10 years	283.44 /hr.
9149	Sign Maker	10 years	13.98 /hr.
9150	Stump Cutter, self powered	10 years	49.64 /hr.
9151	Heater, Patch, tailgate	8 years	12.54 /hr.
9152	Stump Cutter, hydraulic	10 years	40.20 /hr.
9155	Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, with ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 0 to 499 gallons	8 years	63.76 /hr.
9156	Spreader, Mini	8 years	set rate locally
9159	Transit, Laser	10 years	7.96 /hr.
9160	Survey Equip Total Station	10 years	44.32/hr.
9161	Survey Equip Instrument	10 years	set rate locally
9162	Survey Equip GPS	10 years	11.30/hr.
9163	Survey Equip	10 years	set rate locally
9165	Survey Equip GPS	6 years	21.24 /hr.
9168	Trailer, Construction Shed	10 years	45.64 /day
9175	Trenching Shield	10 years	333.24 /day
9176	Trencher	10 years	set rate locally
9177	Trench Compactor	10 years	69.72 /hr.
9178	Earth Saw or Trenching attachment (Alternate Photo)	10 years	34.64 /hr.
9186	Screed, vib. strike-off	10 years	37.94 /hr.
9198	Wrench for train cars	7 years	36.00 /hr.
9199	Culvert Steamer/Pressure Washer, trailer or skid mounted	10 years	40.78 /hr.
9201	All Terrain Vehicle/Utility Terrain Vehicle	10 years	23.92 /hr.
9206	Reclaimer, Over 400 hp, 96" (teeth charged to project)	10 years	258.02 /hr.
9207	Reclaimer, Under 400 hp (teeth charged to project)	10 years	144.62 /hr.
9208	Profiler, planer small	8 years	61.00 /hr.
9209	Re-enforcement Rod	10 years	set rate locally
9230	Scrubber, Floor	10 years	set rate locally
9231	Scraper (Seprt. Wheel, cable)	10 years	12.56 /hr.
9232	Scraper (10 to 14 cu. yds.)	10 years	set rate locally

9375	Vacuum, (Jet Vac)	10 years	71.56 /hr.
9377	Vegetation Unit	10 years	25.54/hr.
9387	Emergency response trailer, fully enclosed with area that could be used as a command center with radio communications	12 years	523.74 /day
9388	Emergency response trailer, fully enclosed without area for command center operations		set rate locally
9389	Emergency response trailer – open trailer for transporting supplies and tools to the incident		set rate locally
9400	Crane (75 tons and over)	15 years	set rate locally
9404	Snow Blower, rotary, powered by engine, uses motor fuel	10 years	423.60/hr.
9406	Brush Chipper, 3 point tractor mounted	10 years	23.76/hr.
9408	Brush Cutter and Mulcher, hydraulic driven, equipment mounted	10 years	43.56 /hr.
9410	Infrared Asphalt Heater, trailer mounted	20 years	set rate locally
9412	Offset Hitch	10 years	20.02/hr.
9414	Skid Steer Mounted Shoulder Machine	10 years	16.82/hr.
9416	Temporary Portable Rumble Strips (6 strip set, includes carrier)	5 years	106.14/day
9418	Truck Mount Mower, includes truck, boom and power source	10 years	72.72/hr.
9420	Shot Blaster, includes vacuum	5 years	0.82 /hr
9422	Confined Space Entry Equipment	6 years	127.00 /hr
9424	GPS Grade Controller (Alternate Photo)	10 years	20.30 /hr
9426	Tree Shears, excavator attachment	5 years	74.58 /hr
9428	Sign Trailer, with auger and lift	10 years	13.24 /hr
9430	Tow Plow	10 years	153.50 /hr.
9432	Hydraulic Bucket	12 years	set rate locally
9434	Automatic Barrel Recovery Unit	8 years	set rate locally
9436	Barrel Recovery Trailer	8 years	set rate locally
9437	Dry Ice Blaster/Cleaner	10 years	set rate locally
9438	Loader Fork Attachment	10 years	set rate locally
9439	Centerliner	10 years	set rate locally

2023 Non-standard Equipment Alphabetical Listing

Class	Description	Est. Life	2023 Rates
9006	Air Compressor (< 125 cu.ft.)	10 years	15.14 /hr.
9201	All Terrain Vehicle/Utility Terrain Vehicle	10 years	23.92 /hr.
9272	Asphalt Wedger, with or without engine	5 years	134.70 /hr.
9013	Auger, Salt	10 years	35.76 /hr.
9434	Automatic Barrel Recovery Unit	8 years	set rate locally
9012	Bale Chopper or Mulcher, 25 hp or greater or PTO (Alternate Photo)	10 years	51.38 /hr.
9284	Bale Chopper/Mulcher, less than 25 hp	10 years	32.76 /hr.
9436	Barrel Recovery Trailer	8 years	set rate locally
9022	Boats (Pontoon)	10 Years	set rate locally
9023	Boats (Row)	10 years	14.64 /day
9312	Boom Lift, towed on own trailer	10 years	74.00 /hr.
9406	Brush Chipper, 3 point tractor mounted	10 years	23.76/hr.

9235	Conveyor, Electric (20 hp/36" x 50")	12 years	72.68 /hr.
9236	Conveyor, stainless or galvanized, hydraulic or electric, 70' or greater	12 years	161.00 /hr.
9240	Fence Installer (for silt)	10 years	97.54 /hr.
9241	Sewer Cleaner large, on trailer	10 years	37.42 /hr.
9246	Generator, electric (over 20 kw)	12 years	33.28 /hr.
9251	Feeder Hopper	5 years	28.64 /hr.
9254	Hammer, hydraulic, 1101 ft/lbs and over CIMA rating	10 years	36.60 /hr.
9255	Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, without ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 0 to 499 gallons	8 years	24.34 /hr.
9256	Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, with ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 500 gallons and greater	8 years	40.90 /hr.
9257	Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, without ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 500 gallons and greater	8 years	39.32 /hr.
9258	Sweeper, Floor	5 years	87.38 /day
9260	Compactor, Hydraulic	10 years	54.18 /hr.
9265	Trailer, Live Bottom (w/ conveyor)	7 years	set rate locally
9272	Asphalt Wedger, with or without engine	5 years	134.70 /hr.
9275	Truck, Mobile Public Assistance Vehicle	5 years	19.82 /hr.
9284	Bale Chopper/Mulcher, less than 25 hp	10 years	32.76 /hr.
9286	Welder and Generator (engine driven)	10 years	25.66 /hr.
9296	Snow Blower, powered by engine, rotary plow, integral unit, used exclusively for snow plowing and uses motor fuel	10 years	206.72 /hr.
9298	Post Pounder	10 years	128.28 /hr.
9310	Compactor, gyrating	6 years	set rate locally
9312	Boom Lift, towed on own trailer	10 years	74.00 /hr.
9336	Centerliner, mounted on tri-axle or quad-axle truck	10 years	168.36 /hr.
9340	Crane, 8.5 carry deck, platform	10 years	set rate locally
9346	Dowel Drill	10 years	48.30 /hr.
9347	Hopper Conveyor, skid mtd.	6 years	set rate locally
9348	Hopper Feeder for spreader (to shed)	8 years	66.08 /hr.
9349	Spreader, v-box insert, small, self-contained	8 years	86.22 /hr.
9351	Forklift, VERY lg, 110 hp telesc. Reach	10 years	73.54 /hr.
9352	Forklift	10 years	75.44 /hr.
9354	Hammer, Hydraulic, stand alone	10 years	106.36 /hr.
9355	Rock Box	10 years	226.26 /hr.
9356	Sweeper, Lawn	10 years	set rate locally
9357	Sweeper, regen., mtd. on 2 axles	10 years	set rate locally
9360	Chip Spreader, hydra. Ext.	10 years	219.00 /hr.
9372	Light Tower	15 years	41.48 /hr.

9408	Brush Cutter and Mulcher, hydraulic driven, equipment mounted	10 years	43.56 /hr.
9439	Centerliner	10 years	set rate locally
9336	Centerliner, mounted on tri-axle or quad-axle truck	10 years	168.36 /hr.
9036	Centerliner, push-type	12 years	22.48 /hr.
9360	Chip Spreader, hydra. Ext.	10 years	219.00 /hr.
9079	Cold Milling Machine, Over 80 hp	12 years	set rate locally
9310	Compactor, gyrating	6 years	set rate locally
9260	Compactor, Hydraulic	10 years	54.18 /hr.
9017	Concrete Repair Gun	7 years	128.04 /hr.
9422	Confined Space Entry Equipment	6 years	127.00/day
9039	Conveyor w/ silo	12 years	set rate locally(tons)
9235	Conveyor, Electric (20 hp/36" x 50")	12 years	72.68 /hr.
9236	Conveyor, stainless or galvanized, hydraulic or electric, 70' or greater	12 years	161.00 /hr.
9041	Crane (10 to 18 tons)	15 years	246.68 /hr.
9400	Crane (75 tons and over)	15 years	set rate locally
9035	Crane (Up to 10 tons)	15 years	76.40 /hr.
9020	Crane, 45 tons, 104' boom	15 Years	set rate locally
9340	Crane, 8.5 carry deck, platform	10 years	set rate locally
9070	Crane, Hydraulic (Truck Mtd.)	10 years	17.24 /hr.
9199	Culvert Steamer/Pressure Washer, trailer or skid mounted	10 years	40.78 /hr.
9018	Curb Paver, Bituminous	12 years	5.70 /hr.
9038	Cutter Crusher or Mulch Krimper (Alternate Photo)	10 years	26.20 /hr.
9346	Dowel Drill	10 years	48.30 /hr.
9048	Drill, Grain	10 years	34.68 /hr.
9437	Dry Ice Blaster/Cleaner	10 years	set rate locally
9178	Earth Saw or Trenching attachment (Alternate Photo)	10 years	34.64 /hr.
9051	Elevator	12 years	16.94 /hr.
9389	Emergency response trailer – open trailer for transporting supplies and tools to the incident		set rate locally
9387	Emergency response trailer, fully enclosed with area that could be used as a command center with radio communications	12 years	523.74 /day
9388	Emergency response trailer, fully enclosed without area for command center operations		set rate locally
9251	Feeder Hopper	5 years	28.64 /hr.
9240	Fence Installer (for silt)	10 years	97.54 /hr.
9050	Finishing Machine, gas power	10 years	32.00 /hr.
9352	Forklift	10 years	75.44 /hr.
9351	Forklift, VERY lg, 110 hp telesc. Reach	10 years	73.54 /hr.
9246	Generator, electric (over 20 kw)	12 years	33.28 /hr.
9046	Golf Cart	10 years	11.26 /hr.
9424	GPS Grade Controller (Alternate Photo)	10 years	20.30 /hr.
9054	Hammer, hydraulic, 100 thru 1100 ft/lbs, CIMA rating	10 years	36.64 /hr.
9254	Hammer, hydraulic, 1101 ft/lbs and over CIMA rating	10 years	36.60 /hr.

9354	Hammer, Hydraulic, stand alone	10 years	106.36 /hr.
9151	Heater, Patch, tailgate	8 years	12.54 /hr.
9347	Hopper Conveyor, skid mtd.	6 years	set rate locally
9348	Hopper Feeder for spreader (to shed)	8 years	66.08 /hr.
9432	Hydraulic Bucket	12 years	set rate locally
9410	Infrared Asphalt Heater, trailer mounted	20 years	set rate locally
9011	Joint Cleaner (Blower)	10 years	6.46 /hr.
9031	Landfill Compactor	10 years	66.54 /hr.
9073	Landscape Box	12 years	4.10 /hr.
9372	Light Tower	15 years	41.48 /hr.
9438	Loader Fork Attachment	10 years	set rate locally
9080	Mortar Mixer	7 years	127.78 /hr.
9081	Patch Machine, spray-injection, trailer mounted	12 years	57.92 /hr.
9089	Paver, tailgate	12 years	23.84 /hr.
9084	Pile Drivers	12 years	set rate locally
9090	Plows, rotary (mtd. on sm. trac.)	5 years	45.32 /hr.
9088	Portable Traffic Signals, max 12/hr/day, 4 unit sets, includes trailer	7 years	24.80 /hr.
9298	Post Pounder	10 years	128.28 /hr.
9082	Pothole Patcher, spray injection, truck mounted, single unit	12 years	50.82 /hr.
9208	Profiler, planer small	8 years	61.00 hr.
9087	Pug Mill	12 years	set rate locally
9113	Rake, rock/Hydraulic Grapple (Alternate Photo)	10 years	21.04 /hr.
9206	Reclaimer, Over 400 hp, 96" (teeth charged to project)	10 years	258.02 /hr.
9207	Reclaimer, Under 400 hp (teeth charged to project)	10 years	144.62 /hr.
9209	Re-enforcement Rod	10 years	set rate locally
9092	Retro-reflectometer	10 years	84.74 /day
9355	Rock Box	10 years	226.26 /hr.
9109	Roller, push-type vibrating	8 years	11.00 /hr.
9112	Rooter	10 years	set rate locally
9114	Roto-tiller (attachment)	8 years	42.88 /hr.
9130	Scaffolding (sections)	15 years	55.30 /sec/mo
9128	Scaffolding (staging)	15 years	21.68 /day
9118	Scaffolding w/ electric hoist	15 years	set rate locally
9232	Scraper (10 to 14 cu. yds.)	10 years	set rate locally
9231	Scraper (Seprt. Wheel, cable)	10 years	12.56 /hr.
9133	Scraper, tow behind	10 years	set rate locally
9134	Scraper, truck style	10 years	64.34 /hr.
9186	Screed, vib. strike-off	10 years	37.94 /hr.
9230	Scrubber, Floor	10 years	set rate locally
9141	Sewer Cleaner	10 years	202.88 /hr.
9241	Sewer Cleaner large, on trailer	10 years	37.42 /hr.
9420	Shot Blaster, includes vacuum	5 years	.82 /hr.

9142	Shredder, Dirt	10 years	283.44 /hr.
9149	Sign Maker	10 years	13.98 /hr.
9428	Sign Trailer, with auger and lift	10 years	13.24 /hr.
9414	Skid Steer Mounted Shoulder Machine	10 years	16.82/hr.
9296	Snow Blower, powered by engine, rotary plow, integral unit, used exclusively for snow plowing and uses motor fuel	10 years	206.72 /hr.
9095	Snow Blower, rotary, hydraulic or PTO driven, does not use fuel	10 years	164.56 /hr.
9404	Snow Blower, rotary, powered by engine, uses motor fuel	10 years	423.60/hr.
9091	Snow Pusher, 13' and above	10 years	34.50 /hr.
9111	Speed Monitor (all)	10 years	15.50 /day
9155	Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, with ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 0 to 499 gallons	8 years	63.76 /hr.
9255	Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, without ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 0 to 499 gallons	8 years	24.34 /hr.
9256	Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, with ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 500 gallons and greater	8 years	40.90 /hr.
9257	Spray Bar Applicator, multiple purpose, including anti-icing liquid application system, without ground speed controller, to include tank, spray bar, pump, nozzles and hardware (either slide in, stand alone or pull behind) with tank size from 500 gallons and greater	8 years	39.32 /hr.
9156	Spreader, Mini	8 years	set rate locally
9349	Spreader, v-box insert, small, self-contained	8 years	86.22 /hr.
9152	Stump Cutter, hydraulic	10 years	40.20 /hr.
9150	Stump Cutter, self powered	10 years	49.64 /hr.
9163	Survey Equip	10 years	set rate locally
9162	Survey Equip GPS	10 years	11.30/hr.
9165	Survey Equip GPS	6 years	21.24 hr.
9161	Survey Equip Instrument	10 years	set rate locally
9160	Survey Equip Total Station	10 years	44.32/hr.
9258	Sweeper, Floor	5 years	87.38 /day
9356	Sweeper, Lawn	10 years	set rate locally
9357	Sweeper, regen., mtd. on 2 axles	10 years	set rate locally
9416	Temporary Portable Rumble Strips (6 strip set, includes carrier)	5 years	106.14/day
9430	Tow Plow	10 years	153.50 /hr.
9168	Trailer, Construction Shed	10 years	45.64 /day
9265	Trailer, Live Bottom (w/ conveyor)	7 years	set rate locally
9159	Transit, Laser	10 years	7.96 /hr.
9426	Tree Shears, excavator attachment	5 years	74.58 /hr.
9177	Trench Compactor	10 years	69.72 /hr.
9176	Trencher	10 years	set rate locally

9175	Trenching Shield	10 years	333.24 /day
9061	Truck Bed System, hot box	10 years	7.16 /hr.
9418	Truck Mount Mower, includes truck, boom and power source	10 years	72.72/hr.
9275	Truck, Mobile Public Assistance Vehicle	5 years	19.82 /hr.
9375	Vacuum, (Jet Vac)	10 years	71.56 /hr.
9377	Vegetation Unit	10 years	25.54/hr.
9286	Welder and Generator (engine driven)	10 years	25.66 /hr.
9198	Wrench for train cars	7 years	36.00 /hr.